

(19)



(11)

EP 2 492 384 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
08.01.2014 Bulletin 2014/02

(51) Int Cl.:
D04B 37/02 (2006.01) D04B 37/06 (2006.01)

(43) Date of publication A2:
29.08.2012 Bulletin 2012/35

(21) Application number: **12001291.9**

(22) Date of filing: **27.02.2012**

(84) Designated Contracting States:
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR**
Designated Extension States:
BA ME

(30) Priority: **28.02.2011 JP 2011041384**

(71) Applicant: **Shima Seiki Manufacturing., Ltd.
Wakayama-shi
Wakayama 641-0003 (JP)**

(72) Inventors:
• **Sakai, Yoshiyuki
Wakayama-shi
Wakayama, 641-0003 (JP)**
• **Minami, Masayuki
Wakayama-shi
Wakayama, 641-0003 (JP)**

(74) Representative: **Schmidbauer, Andreas Konrad
Wagner & Geyer
Patent- und Rechtsanwälte
Gewürzmühlstrasse 5
80538 München (DE)**

(54) **Knit design apparatus and knit design method**

(57) Data regarding the design of a knit product input by an operator is converted into design data of the knit product, and the arrangement and the connection of stitches are displayed on a color monitor (6). If an instruction to insert or delete a wale or course of stitches is input,

whether or not functional data is included in the input range is detected, and an insert or delete position is shifted so as not to include functional data if functional data is included in the input range.

EP 2 492 384 A3



EUROPEAN SEARCH REPORT

Application Number
EP 12 00 1291

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|---|---|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| A | EP 0 640 707 A1 (SHIMA SEIKI MFG [JP]) 1 March 1995 (1995-03-01) * the whole document * | 1-7 | INV. D04B37/02 D04B37/06 |
| A | WO 94/11794 A1 (SCHIEBER UNIVERSAL MASCHF [DE]; PFORTE BERND [DE]; BERGER WOLFGANG [DE]) 26 May 1994 (1994-05-26) * the whole document * | 1-7 | |
| | | | TECHNICAL FIELDS SEARCHED (IPC) |
| | | | D04B |
| The present search report has been drawn up for all claims | | | |
| Place of search Munich | | Date of completion of the search 29 November 2013 | Examiner Zirkler, Stefanie |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | |

 1
EPO FORM 1503 03.82 (F04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 12 00 1291

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-11-2013

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---------------------|----------------------------|---------------------------|
| EP 0640707 | A1 | 01-03-1995 | DE 69415616 D1 11-02-1999 |
| | | | DE 69415616 T2 20-05-1999 |
| | | | DE 69424322 D1 08-06-2000 |
| | | | DE 69424322 T2 24-08-2000 |
| | | | DE 69424957 D1 20-07-2000 |
| | | | DE 69424957 T2 19-10-2000 |
| | | | EP 0640707 A1 01-03-1995 |
| | | | EP 0853153 A2 15-07-1998 |
| | | | EP 0853154 A2 15-07-1998 |
| | | | ES 2126066 T3 16-03-1999 |
| | | | US 5557527 A 17-09-1996 |
| WO 9411794 | A1 | 26-05-1994 | AT 157786 T 15-09-1997 |
| | | | EP 0669015 A1 30-08-1995 |
| | | | WO 9411794 A1 26-05-1994 |